

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**REVOCATION OF POWER OF ATTORNEY AND NEW POWER  
OF ATTORNEY BY ASSIGNEE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: the following matters:

<b>Atty. Docket No.</b>	<b>Serial No.</b>	<b>Patent No.</b>	<b>Reel / Frame</b>
UM-14735	11/776,395		012480 / 0604 012479 / 0150
UM-14712	11/824,870		013888 / 0427
UM-14675	11/820,616		013129 / 0631
UM-14668	11/820,377		016741 / 0568
UM-14667	11/818,766		016727 / 0730
UM-14654	11/811,019		013937 / 0978
UM-14624	11/818,083		013129 / 0631
UM-14596	11/582,035		01870 / 0899
UM-14595	11/582,027		01870 / 0903
UM-14592	11/582,259		018667 / 0287
UM-14588	11/607,388		018756 / 0887
UM-14586	10/548,692		016588 / 0936
UM-14585	10/375,373		04050 / 0444

UM-14580	10/559,742		07666 / 0675
UM-14577	11/807,434		014522 / 0709
UM-14576	11/807,441		014522 / 0709
UM-14575	11/807,423		014522 / 0709
UM-14574	11/807,440		014522 / 0709
UM-14573	11/807,422		014522 / 0709
UM-14564	11/807,291		011328 / 0881
UM-14563	11/807,040		011328 / 0881
UM-14473	11/788,489		012480 / 0604 012479 / 0150
UM-14412	11/789,999		014522 / 0709
UM-14365	11/726,269		013410 / 0032
UM-14338	11/662,103		016192 / 0300
UM-14320	11/714,588		014522 / 0709
UM-14193	11/708,885		019751 / 0555
UM-14191	11/708,895		Assignment filed 6/27/07, no reel and frame provided yet by PTO.
UM-14168	11/715,767		012739 / 0881
UM-14167	11/709,623		019722 / 0902
UM-14128	11/715,642		017022 / 0332

UM-14111	11/708,858		019689 / 0753
UM-14073	11/651,808		Assignment filed 8/10/07, no reel and frame provided yet by PTO.
UM-14070	11/651,214		Assignment filed 5/29/07, no reel and frame provided yet by PTO.
UM-14045	11/655,413		019469 / 0874
UM-14044	11/753,191		012480 / 0604 012479 / 0150
UM-14025	11/643,443		014898 / 0054
UM-14024	11/643,614		014522 / 0695
UM-14001	11/649,595		014727 / 0442
UM-13481	11/726,219		016900 / 0234
UM-13457	11/601,895		019253 / 0936
UM-13449	11/647,006		012480 / 0604 012479 / 0150
UM-13436	11/592,087		018885 / 0618
UM-13404	11/591,324		018842 / 0247
UM-13403	11/643,211		013792 / 0948
UM-13295	11/591,019		019360 / 0876
UM-13293	11/585,492		011328 / 0881
UM-13275	11/607,780		019434 / 0154
UM-13271	11/542,576		018894 / 0367

UM-13270	11/545,586		Assignment filed 1/29/07, no reel and frame provided yet by PTO.
UM-13251	11/529,869		012480 / 0604 012479 / 0150
UM-13248	10/594,200		Assignment filed 7/27/07, no reel and frame provided yet by PTO.
UM-13219	11/523,305		013843 / 0466
UM-13218	11/519,248		018810 / 0696
UM-13217	11/517,659		013610 / 0969
UM-13212	11/523,509		019510 / 0486
UM-13082	11/507,084		011669 / 0827
UM-13081	11/506,442		015315 / 0738
UM-13076	11/503,742		018494 / 0579
UM-13054	11/498,669		018631 / 0433
UM-13034	11/496,317		018794 / 0004
UM-13027	11/488,291		018415 / 0839
UM-12040	11/451,204		018312 / 0698
UM-12037	11/451,774		018810 / 0596
UM-12036	11/451,773		018810 / 0668
UM-12031	11/519,397		018804 / 0523
UM-12017	11/447,836		018255 / 0250

UM-12011	11/445,415		018216 / 0781
UM-10939	11/406,156		018332 / 0632
UM-10907	11/397,974		018064 / 0413
UM-10799	11/361,149		018063 / 0006
UM-10792	11/360,485		018534 / 0625
UM-10743	11/437,905		017150 / 0595
UM-10742	11/342,461		013529 / 0495
UM-10741	11/343,797		013610 / 0879
UM-10739	11/340,211		015704/0657
UM-10721	11/331,240		014079 / 0792
UM-10709	11/324,419		017775 / 0370
UM-10668	11/403,316		018057 / 0793
UM-10666	11/586,097		Assignment filed 1/16/07, no reel and frame provided yet by PTO.
UM-10663	11/317,329	7,176,019	013129 / 0611
UM-10657	11/318,799		017774 / 0150
UM-10648	11/301,524		017990 / 0719
UM-10647	11/301,138		012727 / 0270
UM-10631	11/389,393		018012 / 0370

UM-10554	10/714,055		013860 / 0660
UM-10550	08/385,194	6,685,941	013860 / 0660
UM-10542	11/378,752		013529 / 0495
UM-10527	11/373,898		018064 / 0671
UM-10515	10/570,416		018879 / 0632
UM-10330	11/268,157		018836 / 0902
UM-10313	11/265,576		017780 / 0419
UM-10196	11/445,010		018289 / 0289
UM-10195	11/445,612		018289 / 0289
UM-10027	11/209,998		017418 / 0030
UM-10004	11/249,283		017770 / 0637
UM-09971	11/169,977		014413 / 0959
UM-09965	11/167,838		017387 / 0207
UM-09963	11/159,039		013792 / 0948
UM-09962	11/158,201		014701 / 0873
UM-09943	11/150,524		012480 / 0604 012479 / 0150
UM-09942	11/150,073		012480 / 0604 012479 / 0150
UM-09937	11/159,055		013792 / 0948

UM-09915	11/176,719		017117 / 0246
UM-09911	11/142,590		017096 / 0211
UM-09899	11/145,861		017022 / 0332
UM-09877	11/142,123		017104 / 0341
UM-09791	11/110,228		016900 / 0234
UM-09766	11/089,096		016727 / 0730
UM-09752	10/527,781		017954 / 0727
UM-09745	11/094,590		016741 / 0568
UM-09737	11/084,411		013119 / 0858
UM-09726	11/061,626		016613 / 0941
UM-09724	11/057,353		014522 / 0709
UM-09707	11/050,282		016740 / 0406
UM-09694	11/011,450		012965 / 0077
UM-09691	10/984,710	7,060,493	012697 / 0358
UM-09651	10/964,536		013888 / 0427
UM-09613	10/959,885		016343 / 0355
UM-09489	11/052,444		016757 / 0978
UM-09433	11/009,923		016681 / 0342

UM-09413	10/996,637	7,092,492	016421 / 0395
UM-09194	10/935,333		016162 / 0847
UM-09190	10/950,784		016391 / 0563
UM-09159	10/921,742		016409 / 0248
UM-09113	10/886,450		016162 / 0847
UM-09098	10/909,035		016310 / 0405
UM-09090	09/488,867	6,867,022	010825 / 0628
UM-09064	10/864,207		017069 / 0956
UM-09061	10/867,519		015881 / 0333
UM-09032	10/845,799	7,244,557	015806 / 0666
UM-09030	10/848,259		015806 / 0302
UM-09027	10/844,216		016090 / 0052
UM-09011	10/835,151		015897 / 0888
UM-08967	10/848,637	7,173,010	015827 / 0441
UM-08922	10/794,342	7,041,491	015704 / 0657
UM-08918	10/795,535		015615 / 0544
UM-08912	10/845,407	7,208,154	015830 / 0121
UM-08901	10/781,362		015716 / 0731



UM-08794	10/779,404		015579 / 0308
UM-08780	10/807,531		015663 / 0484
UM-08764	10/798,470		015636 / 0315
UM-08737	10/767,325		012739 / 0881
UM-08725	10/755,594	7,135,611	015476 / 0957
UM-08723	10/756,068		015514 / 0617
UM-08483	10/765,743		015695 / 0896
UM-08477	10/729,156		015515 / 0284
UM-08469	10/720,417		014898 / 0054
UM-08443	10/701,871		015299 / 0159
UM-08441	10/699,941		015186 / 0097
UM-08410	10/686,417		015143 / 0403
UM-08388	10/670,065		015012 / 0125
UM-08378	10/343,692	7,115,360	012480 / 0604 012479 / 0150
UM-08377	09/920,517	6,984,522	012480 / 0604 012479 / 0150
UM-08351	10/654,532		014965 / 0129
UM-08333	10/648,512		014916 / 0279
UM-08332	10/660,056	7,048,856	017150 / 0595

UM-08328	10/640,914		014896 / 0220
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UM-08196	10/617,067		014727 / 0442
UM-08192	10/634,114		015340 / 0960
UM-08146	10/459,218	7,256,277	9222 / 0417
UM-08138	10/452,184		014641 / 0621
UM-08135	10/448,564		014578 / 0907
UM-08131	10/444,198		014732 / 0169
UM-08120	10/444,204	6,855,340	014522 / 0709
UM-08117	10/431,956	7,078,461	015709/0023
UM-08102	10/419,033		014413 / 0959
UM-07884	10/427,211	7,186,712	014522/0695
UM-07872	10/384,016		014353 / 0542
UM-07869	07/710,558		6098 / 0698
UM-07860	09/643,476	6,599,495	009222/0417
UM-07859	10/193,524		009222/0417
UM-07858	10/192,915		009222/0417
UM-07857	09/369,912	6,492,504	009222/0417

UM-07856	09/285,379	6,451,765	009222/0417
UM-07850	08/994,076	6,500,937	009222/0417
UM-07820	10/669,865		015168 / 0670
UM-07819	09/732,362	6,567,684	011568 / 0342
UM-07806	10/345,802		014159 / 0423
UM-07805	10/345,731		014023 / 0128
UM-07745	10/364,748		014317 / 0647
UM-07715	10/340,928		015308 / 0863
UM-07579	10/343,267		014397 / 0773
UM-07455	10/286,085		013937 / 0978
UM-07447	10/273,476	7,253,271	013721 / 0742
UM-07446	10/269,190		013760 / 0671
UM-07440	10/408,643		014427 / 0324
UM-07423	10/365,840		014688 / 0605
UM-07420	10/244,855	7,202,045	013610 / 0969
UM-07419	10/244,853		013566 / 0212
UM-07418	10/244,854		013628 / 0857
UM-07403	10/280,653		013792 / 0948

UM-07288	10/222,334	7,037,658	013529 / 0495
UM-07283	10/217,878		013511 / 0327
UM-07273	08/881,037	6,080,588	011328/0881
UM-07269	09/767,283	7,220,739	011328 / 0881
UM-07268	09/700,101	7,125,866	011328 / 0881
UM-07261	10/179,547		015315 / 0738
UM-07244	10/178,342	6,890,552	013928 / 0937
UM-07242	10/184,194	6,916,472	011048 / 0485
UM-07240	10/173,524	7,001,884	013327 / 0500
UM-07234	10/171,228		013326 / 0889
UM-07231	10/162,970		013259 / 0067
UM-07225	10/294,957		013938 / 0019
UM-07221	10/210,120	7,229,774	013610 / 0879
UM-07204	10/133,711	6,931,325	013396 / 0541
UM-07203	10/133,896		013129 / 0631
UM-07172	10/242,008	7,108,975	013843 / 0466
UM-07169	10/241,411		014615 / 0664 011484 / 0624
UM-07160	10/285,824		014211 / 0753

UM-06984	10/314,506	7,060,442	014079 / 0792
UM-06983	10/123,435	6,902,933	013119 / 0858
UM-06982	10/139,496		013285 / 0428
UM-06968	10/149,736	6,869,777	013888 / 0427
UM-06962	10/087,345	6,849,449	012965 / 0077
UM-06889	10/099,382	7,211,654	013410 / 0032
UM-06849	10/157,442		013341 / 0806 015289 / 0693
UM-06692	10/007,047		012739 / 0881
UM-06669	10/002,802	7,056,741	012816 / 0991
UM-06636	09/968,930		014505 / 0964
UM-06634	09/965,447	6,635,676	012498 / 0631
UM-06617	09/960,454	6,897,067	012538 / 0721
UM-06609	09/940,243		012510 / 0358
UM-06518	09/898,178	6,417,384	008436/0437
UM-06455	09/919,516	6,440,452	014354 / 0611
UM-06440	08/443,982		007681 / 0308
UM-06439	08/844,691	6,747,138	PTO never provided frame and reel; assignments docs re-faxed to PTO on 9/6/07.
UM-06436	09/224,556		5918 / 250

UM-06435	08/826,577		5918 / 250
UM-06421	08/591,605	6,060,238	008257 / 0411
UM-06419	08/457,731	7,097,972	008169 / 0430
UM-06419	08/457,731	7,097,972	008169 / 0430
UM-06418	09/270,813	6,046,007	007469 / 0152
UM-06418	09/270,813	6,046,007	007469 / 0152
UM-06417	08/389,812	6,015,665	007469 / 0152
UM-06411	08/313,200	5,998,153	007379 / 0281
UM-06198	09/962,059	7,056,503	012727 / 0270
UM-06191	09/867,924		012175 / 0312
UM-06155	09/891,086	6,559,189	012255 / 0150
UM-06106	09/778,496	7,069,151	012096 / 0706
UM-04920	09/747,742	6,299,898	011420 / 0976
UM-04496	09/613,170	7,018,841	009002 / 0783
UM-04491	09/751,059		011669 / 0827
UM-04408	09/574,377	6,573,370	011048 / 0485
UM-04392	09/562,616	6,599,744	011679 / 0742
UM-04391	09/561,111	6,506,803	011215 / 0567

UM-04389	09/248,093	6,426,184	014615 / 0664 011484 / 0624
UM-04317	09/570,198	6,471,968	011046 / 0895
UM-04315	09/002,228	6,015,832	009489 / 0909
UM-04266	09/540,824	6,383,753	011008 / 0702
UM-04208	09/571,479	6,680,172	011040 / 0401
UM-03950	09/338,413	6,197,330	010232 / 0572
UM-03772	09/319,406	6,255,519	008436/0437
UM-03686	09/366,314		010400 / 0393
UM-03626	09/244,752	6,063,622	008460 / 0525
UM-03625	09/245,497	6,083,750	008460 / 0525
UM-02473	08/840,804	5,972,332	008853 / 0017

The Regents of the University of Michigan, as Assignee of record of the entire right, title, and interest of each of the above-identified patents and patent applications, or an undivided interest in the entire right, title, and interest of the above-identified patents and patent applications, hereby revokes all previous powers of attorney and appoints:

**The practitioners associated with Customer Number 72960**

as its attorneys with full power of substitution to prosecute these applications and transact all business in the Patent and Trademark Office in connection therewith.

Please direct all future correspondence and telephone calls regarding this application to:

**The address associated with Customer Number 72960**

I hereby certify that the Assignment documents filed with each of these applications, or filed subsequent to the filing date of the application, have been reviewed and I hereby certify that, to the best of my knowledge and belief, title is with The Regents of the University of Michigan. A Statement under 37 C.F.R. 3.73(b) is included herewith.

Dated: 13 Sept 2007

By: Ruth L. Rasor

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Ruth L. Rasor  
Director of Licensing, UM Technology Transfer  
The Regents of the University of Michigan  
3003 S. State Street, Suite 2071  
Ann Arbor, Michigan 48109-1280

**STATEMENT UNDER 37 C.F.R. 3.73(b)**

The Regents of the University of Michigan states that it is the assignee of the entire right, title, and interest in the patents and patent applications listed above, or an undivided interest in the entire right, title, and interest in the patents and patent applications listed above, by virtue of assignments by each of the inventor(s) of these patents and patent applications. The assignments were recorded in the United States Patent and Trademark Office at the Reel and Frame Numbers indicated in the right-hand column.

The undersigned (whose title is supplied below) is ~~authorized~~ to act on behalf of the assignee.

Dated: 13 Sept 2007

By: Ruth L. Rasor

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Ruth L. Rasor  
Director of Licensing, UM Technology Transfer  
The Regents of the University of Michigan  
3003 S. State Street, Suite 2071  
Ann Arbor, Michigan 48109-1280